

Public Hearing

House Education Committee

MI-SAAS

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Macomb Intermediate School District

November 10, 2010

Michigan School Accreditation and Accountability System (MI-SAAS)

- Our position: Need to equitably identify schools in the state that are not meeting the academic needs of the students they serve however that identification needs to be based on a process (formula) that accounts for differences in school building structures and comparisons made state-wide based on students in the same grade level
 - MI-SAAS is based on a process (formula) that compares students across grade levels.
 - MI-SAAS is based on a process (formula) that includes an initial step that eliminates low performing schools from the list before the final ranking is completed.

MCL 380.1280

Standards for Accreditation

- “Shall not be based solely on pupil performance on MEAP tests or the Michigan Merit Examination....”

Annual State Accreditation Status

Statewide % Rank	Not on PLA List	Made AYP	Met target on 9 questions	Accreditation Result
High (Rank above 20%)	Y	Y	Y	Accredited
High	Y	N	Y	Interim
High	Y	Y	N	Interim
Mid (Rank - 6-20%)	Y	N	Y	Interim
Mid	Y	Y	Y	Interim
High	N	N	N	Unaccredited
High	N	N	Y	Unaccredited
High	N	Y	N	Unaccredited
High	N	Y	Y	Unaccredited
High	Y	N	N	Unaccredited
Low (Rank lowest 5%)	N	N	N	Unaccredited
Low	N	N	Y	Unaccredited
Low	N	Y	N	Unaccredited
Low	N	Y	Y	Unaccredited
Low	Y	N	N	Unaccredited
Low	Y	N	Y	Unaccredited
Low	Y	N	N	Unaccredited
Low	Y	Y	N	Unaccredited
Low	Y	Y	Y	Unaccredited
Mid	N	N	N	Unaccredited
Mid	N	N	Y	Unaccredited
Mid	N	Y	N	Unaccredited
Mid	N	Y	Y	Unaccredited
Mid	Y	N	N	Unaccredited
Mid	Y	Y	N	Unaccredited

Revised School Code

Act 451 (Section 380.1280c)

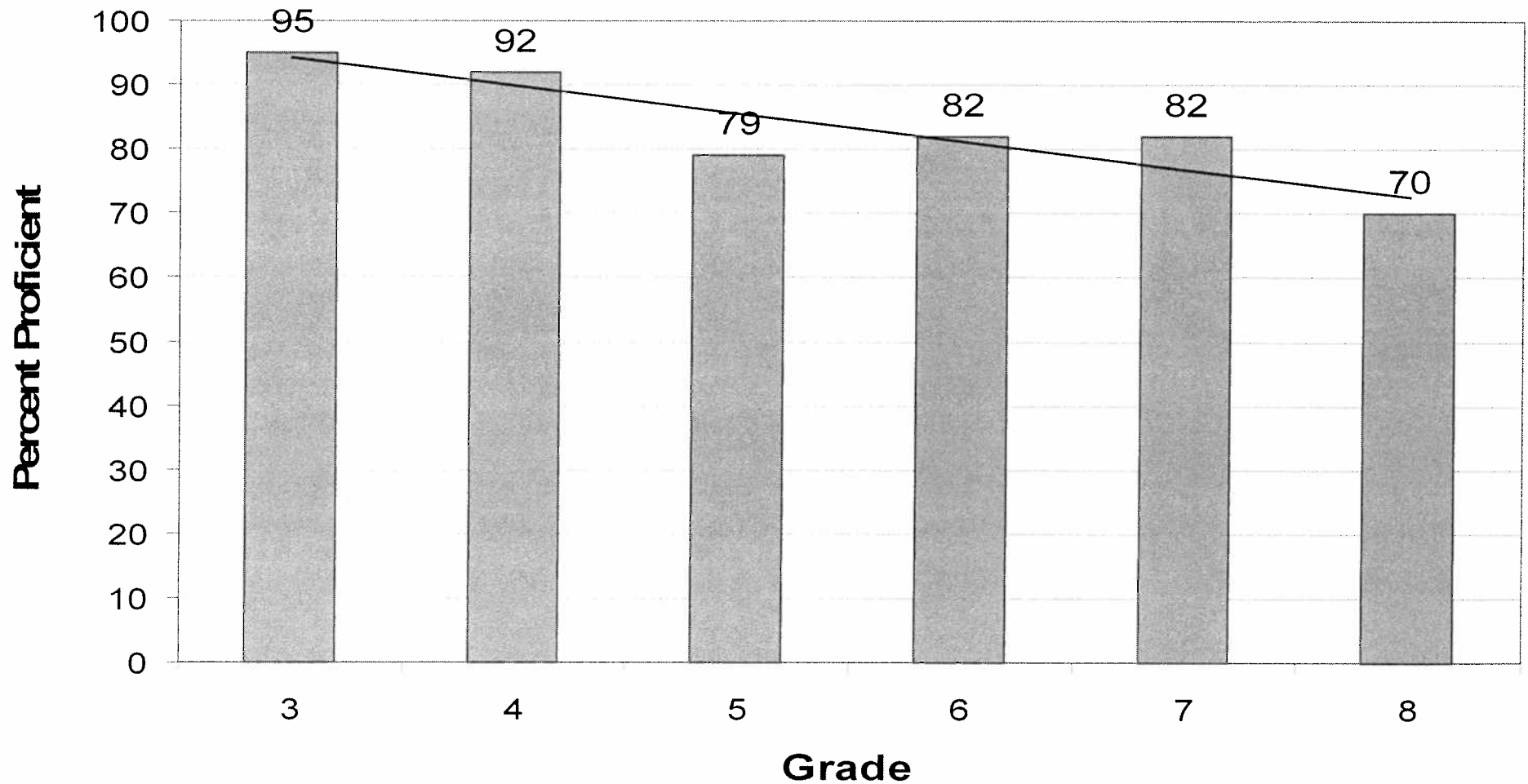
- Identification of lowest achieving 5% of public schools....
 - Why are there schools with low rankings that are not identified as lowest performing (Persistently Lowest Performing List-PLA)?
 - Range of grades are compared
 - Use of Tier System to eliminate schools from consideration
 - Reliance on Adequate Yearly Progress (AYP) measurement that is computed several ways and can in some instances give an inaccurate statement about a schools actual performance level

Grade Structure of a School Matters

Ignoring grade structure
Misidentifies schools in
ranking process

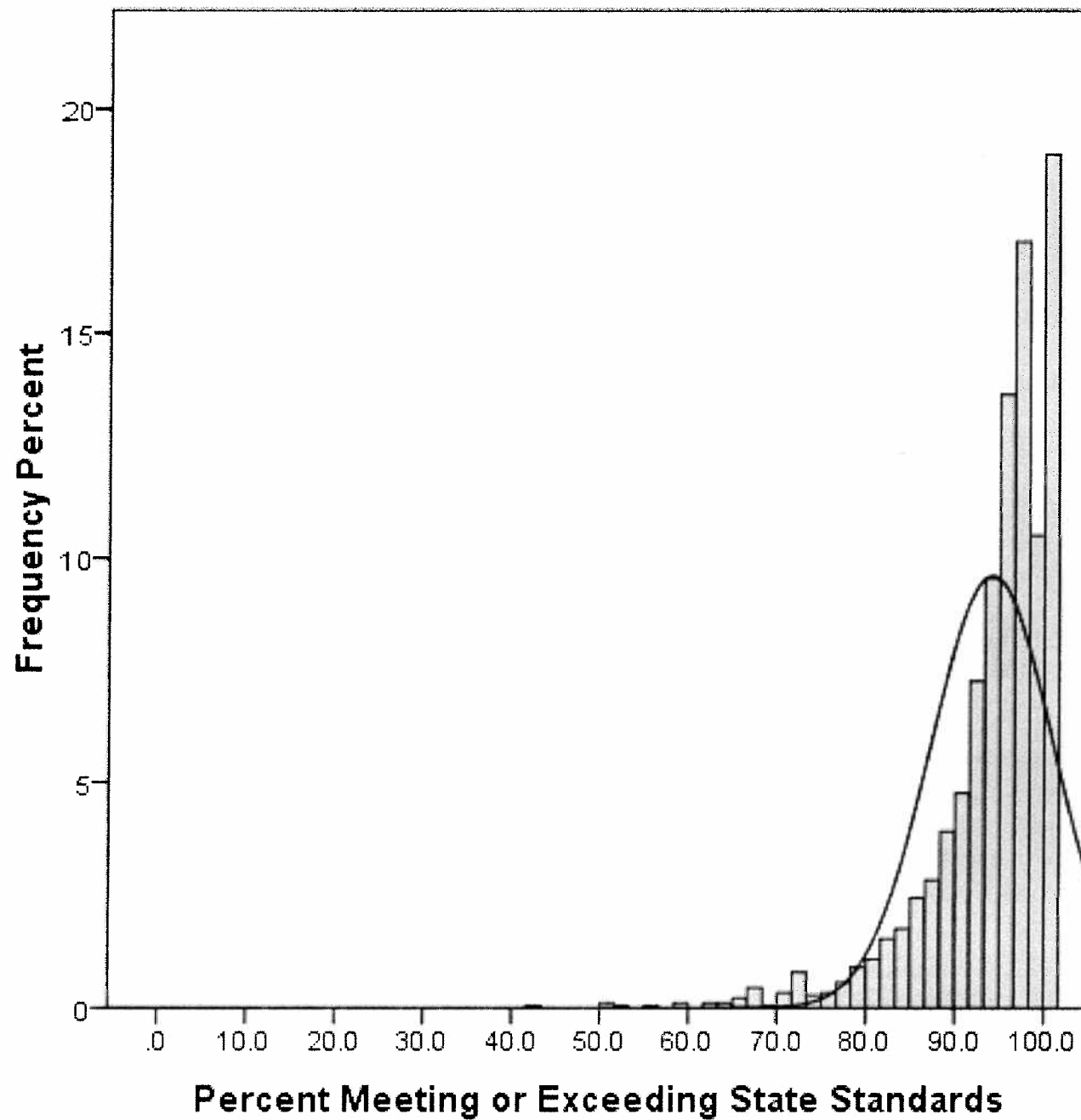
Percent Proficient Varies Across Grades

2009 MEAP Mathematics



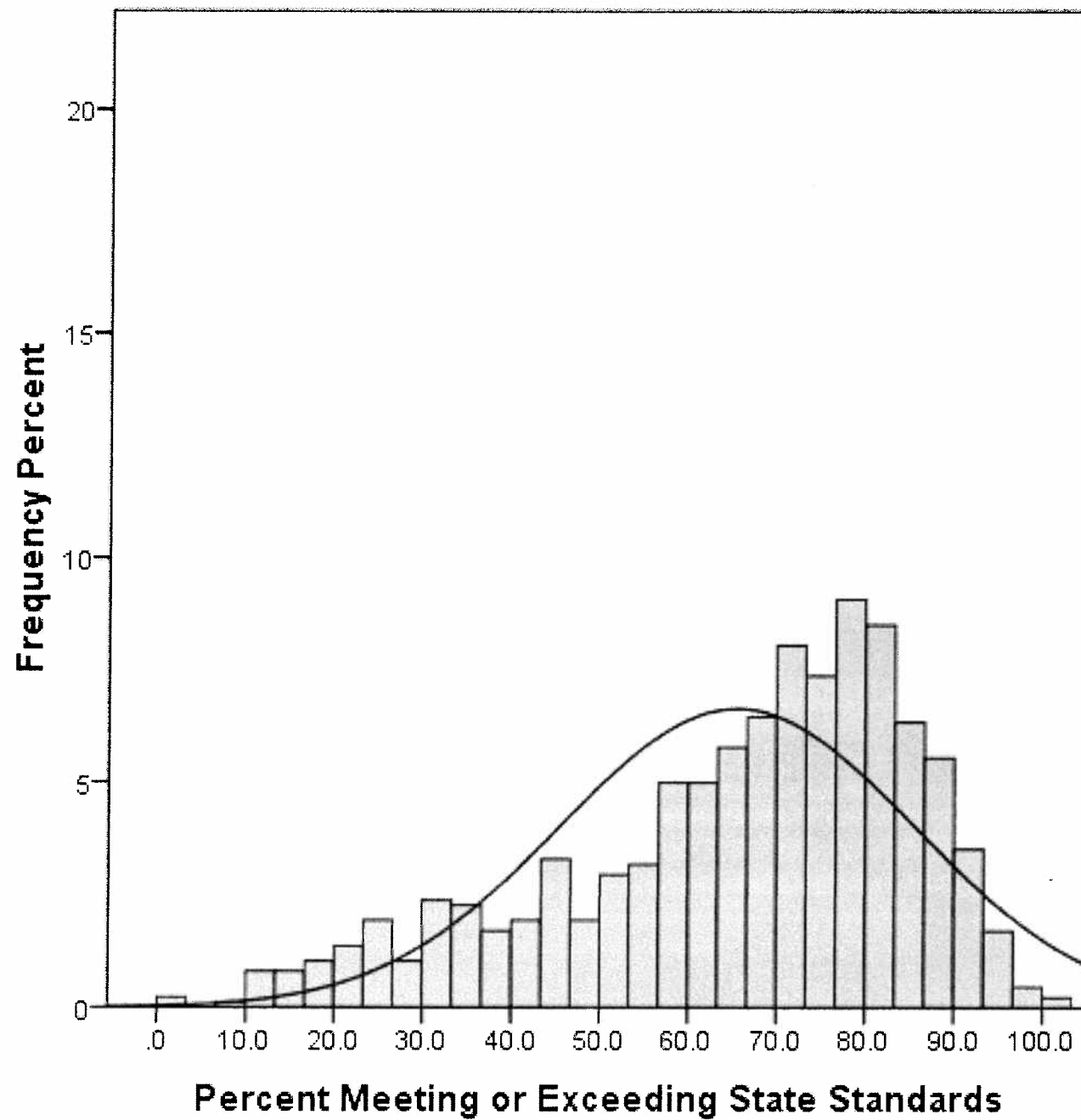
Fall 2009 MEAP Mathematics Grade 3

Mean = 94.157
Std. Dev. = 6.9158
N = 1,759



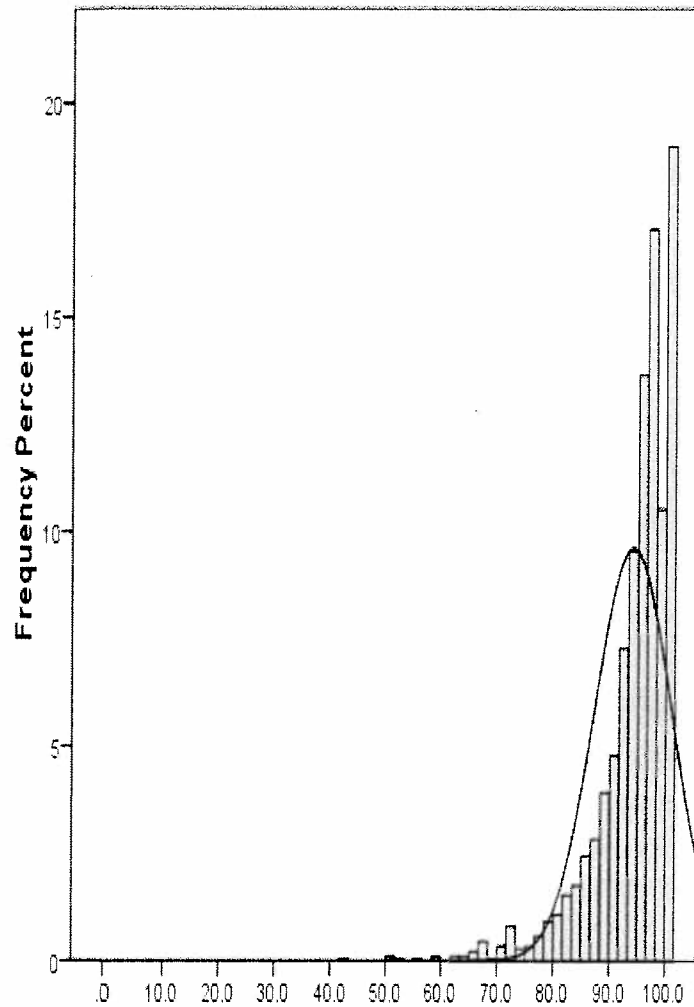
Fall 2009 MEAP Mathematics Grade 8

Mean = 65.509
Std. Dev. = 19.9808
N = 881



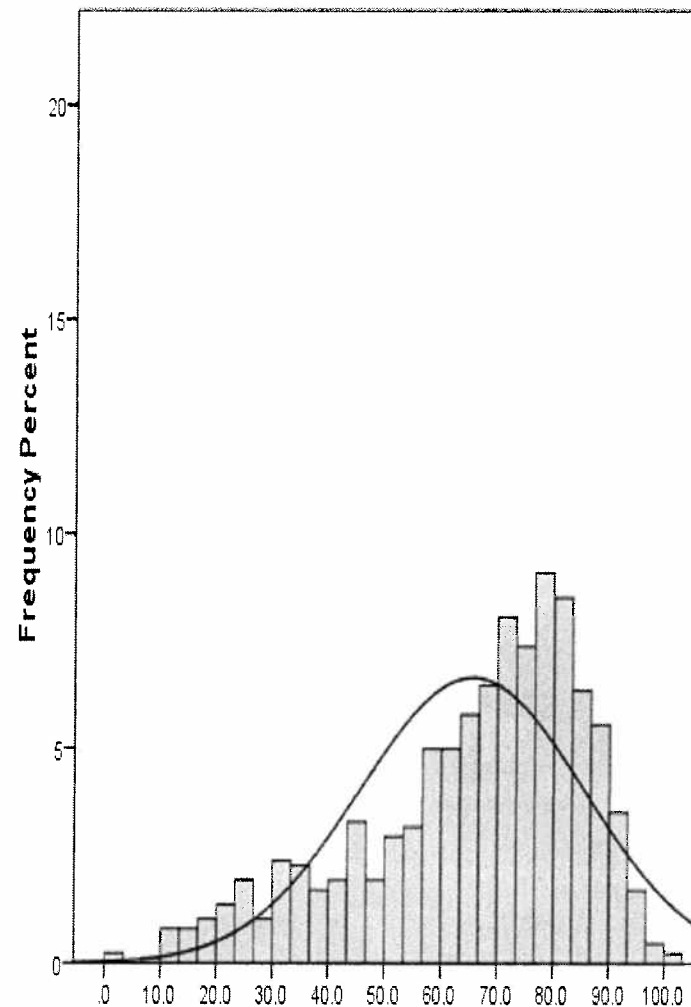
Grade Structure of a School Matters

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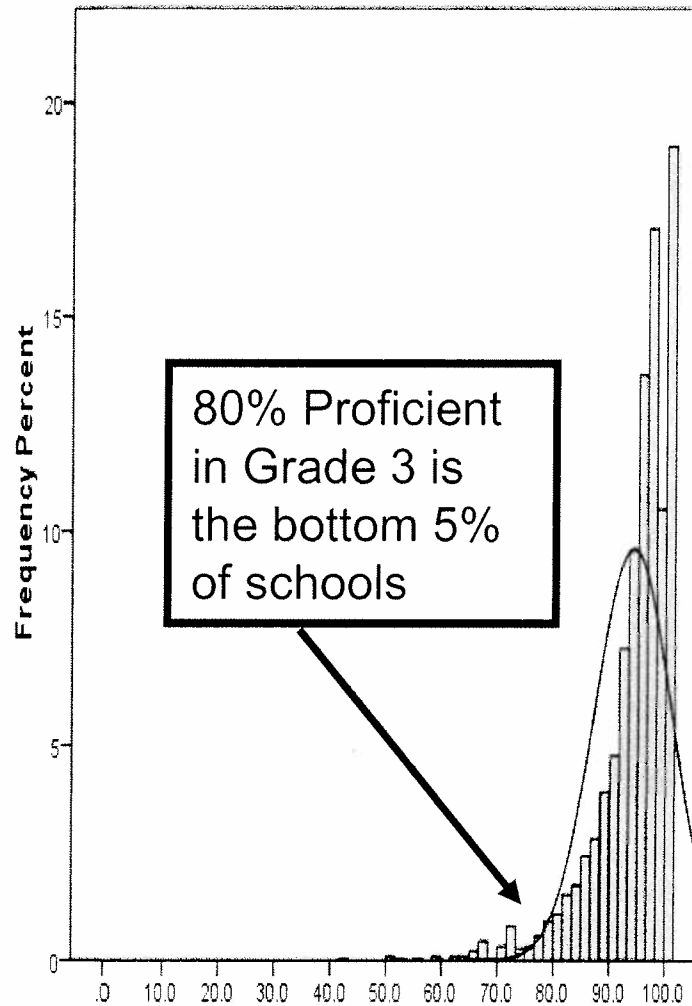
Fall 2009 MEAP Mathematics Grade 8



Mean =65.509
Std. Dev. =19.9808
N =881

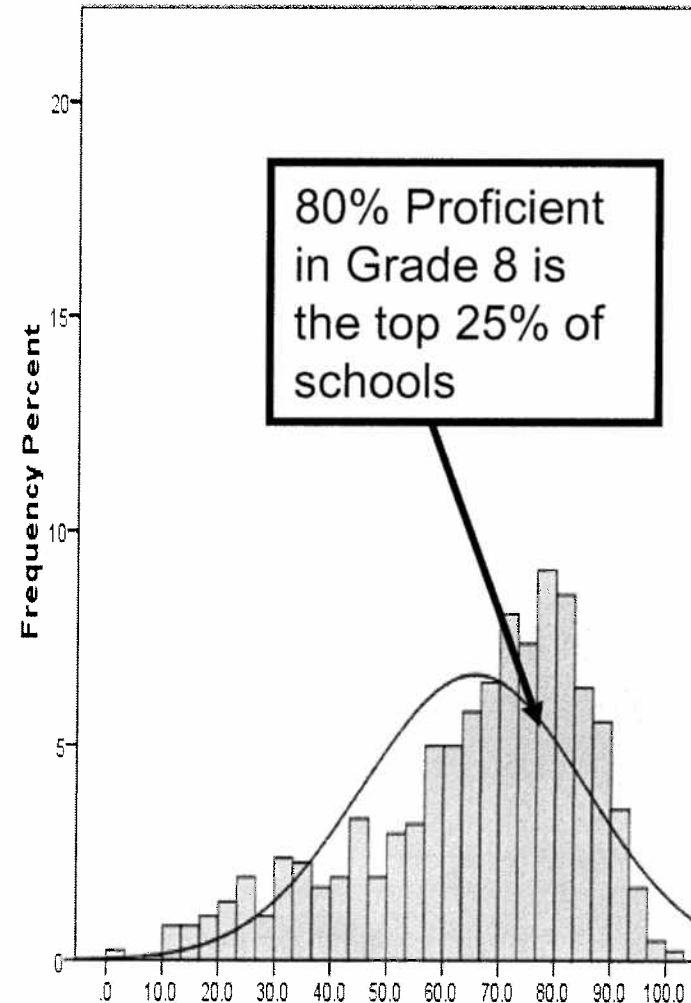
Grade Structure of a School Matters

Fall 2009 MEAP Mathematics Grade 3



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Std. Dev. = 6.9158
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N = 881

Imagine a Fruit Basket



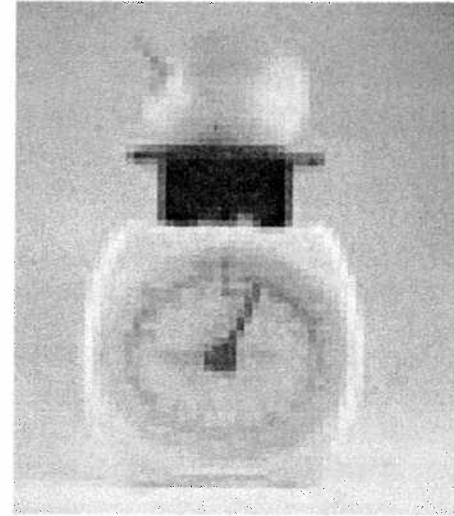
Imagine a Fruit Basket



- Let the fruit basket represent a school
- Each piece of fruit represents a classroom
- Each type of fruit represents a grade

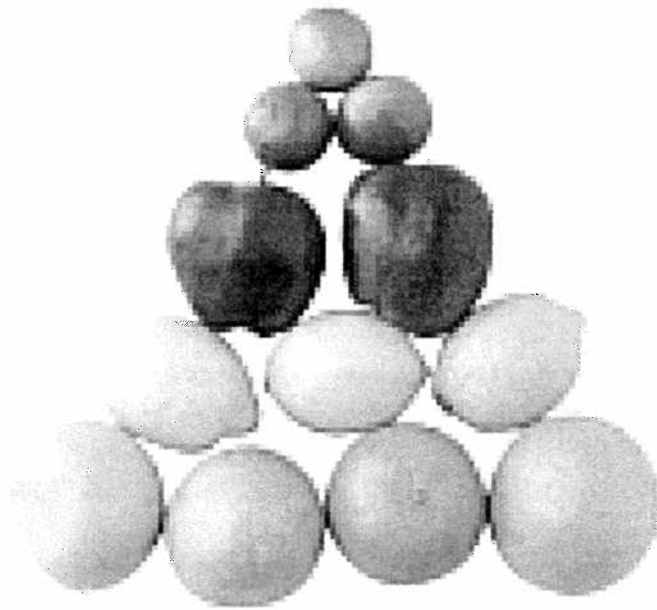
The weight of the fruit in the basket represents the percent proficient at the school

Imagine a Fruit Basket

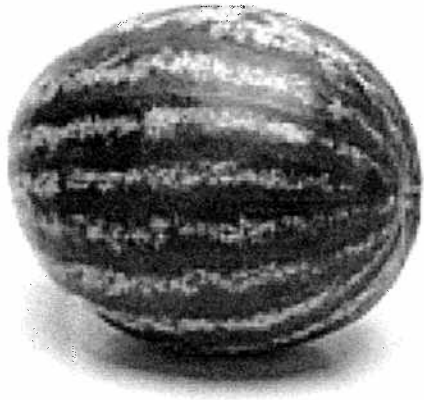


The weight of each piece of fruit represents the percent proficient of the grade.

The type of fruit in a fruit basket impacts the weight of the fruit basket.

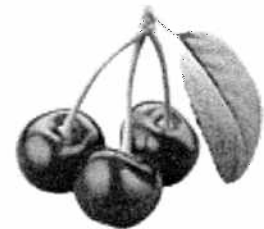
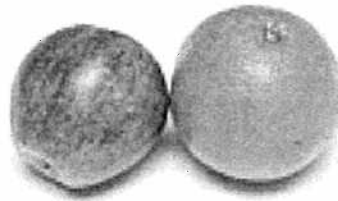
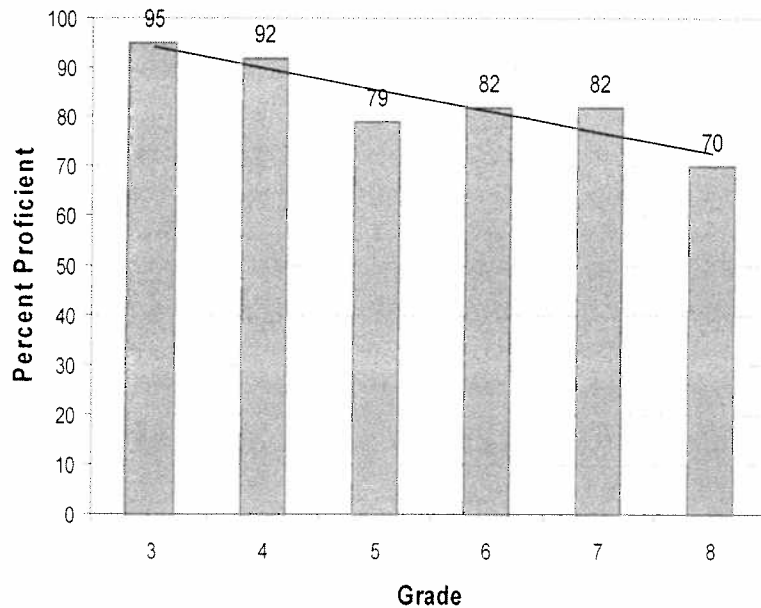


Grade Structure of a School Matters



Ignoring the grade structure,
compares apples to oranges

2009 MEAP Mathematics



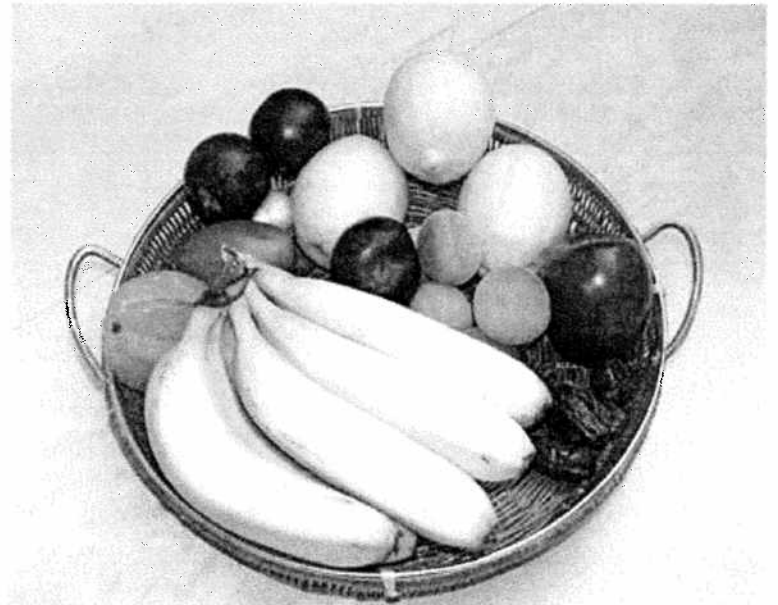
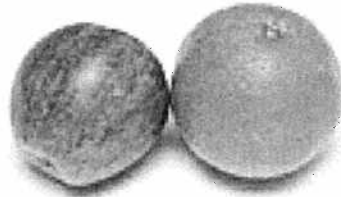
In the proposed system.....

- Schools with early elementary grades have an advantage over schools with upper elementary or middle school grades.
- K-5 schools have an advantage over K-8
- K-8 schools have an advantage over 6-8
- K-12 have an advantage over 9-12
- A low performing elementary school could be misidentified as succeeding. Whereas, a high performing junior high could rank lower.

Example

School	Grade Structure	Top-to-Bottom Rank (current)	Top-to-Bottom with Grade Structure	Change in Ranks
McKinley Elementary	K - 5	20.70	9.88	- 10.82
Roseville MS	7 – 8	5.82	16.29	+ 10.47

The grade structure of a school needs to be considered in calculating ranks of the schools



All Schools Should be Included in PLA Rankings

Receiving Title I Funds

or

AYP Status

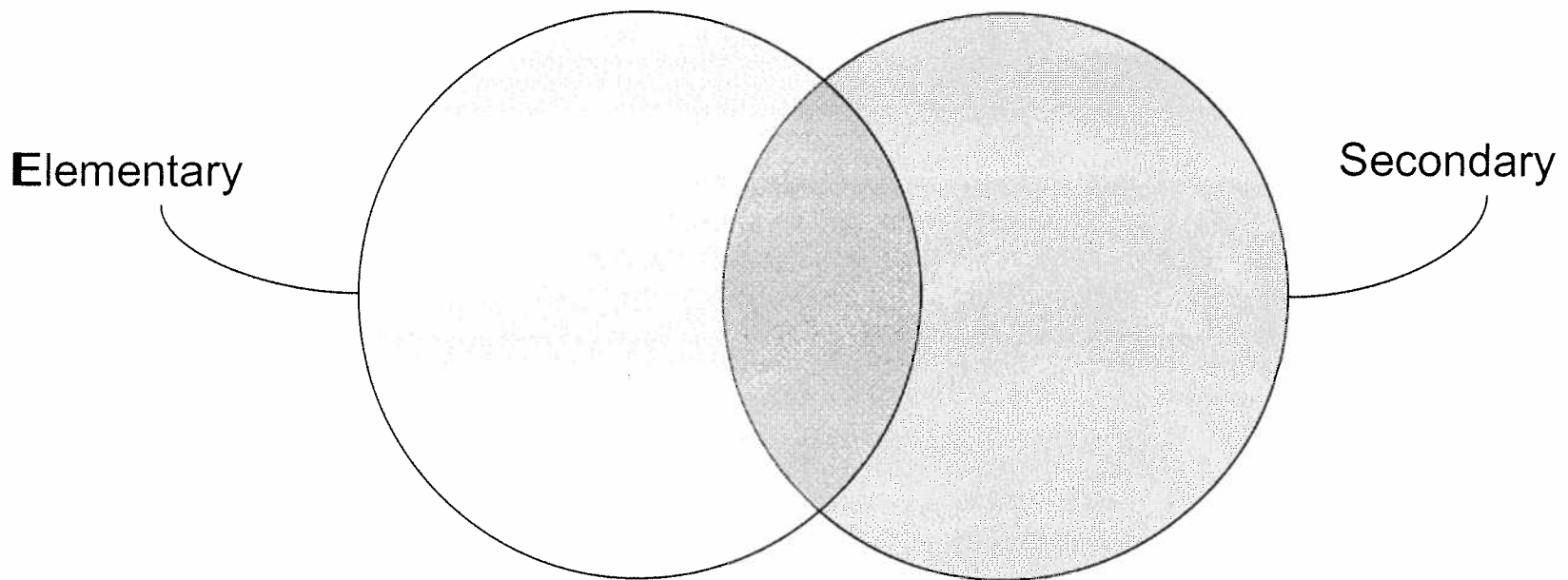
Should NOT be Used to Exclude Schools from the PLA
Ranking Process

Tier Analysis

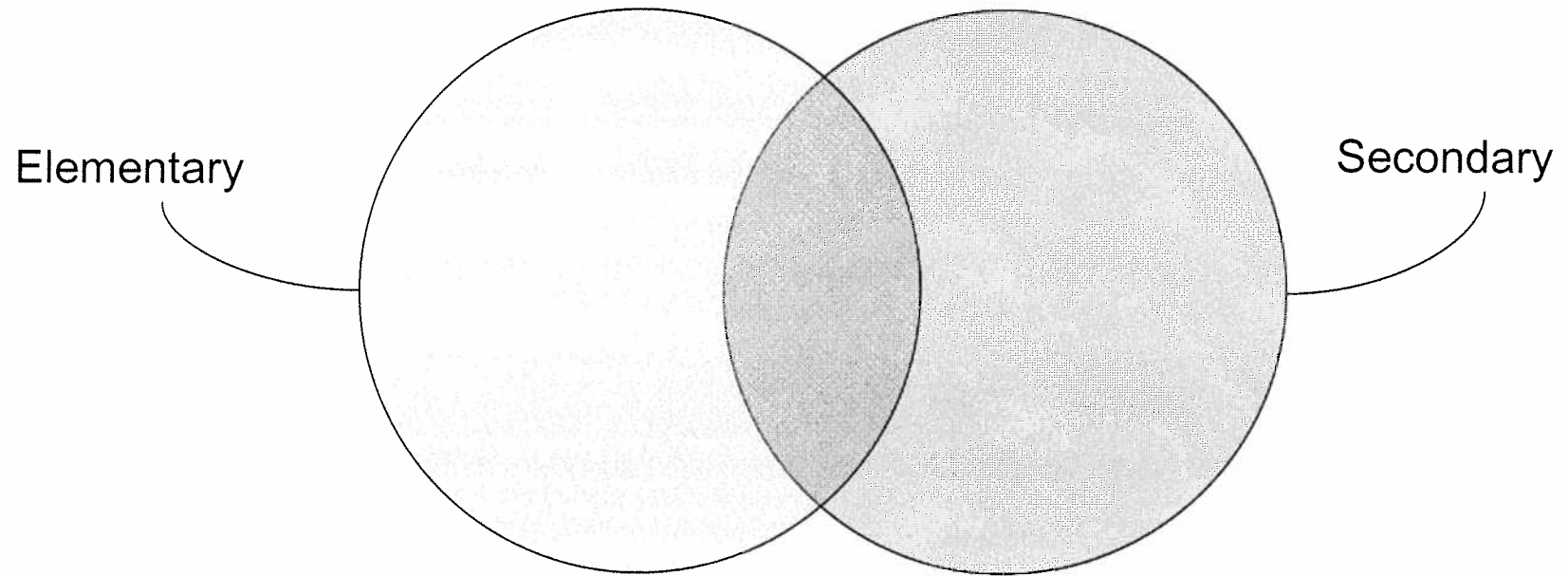
- Things to consider
 - Elementary
 - Secondary
 - Receiving Title I Funds
 - Corrective action, restructuring, improvement (CARI)

Let's take a look at the "Tiers"

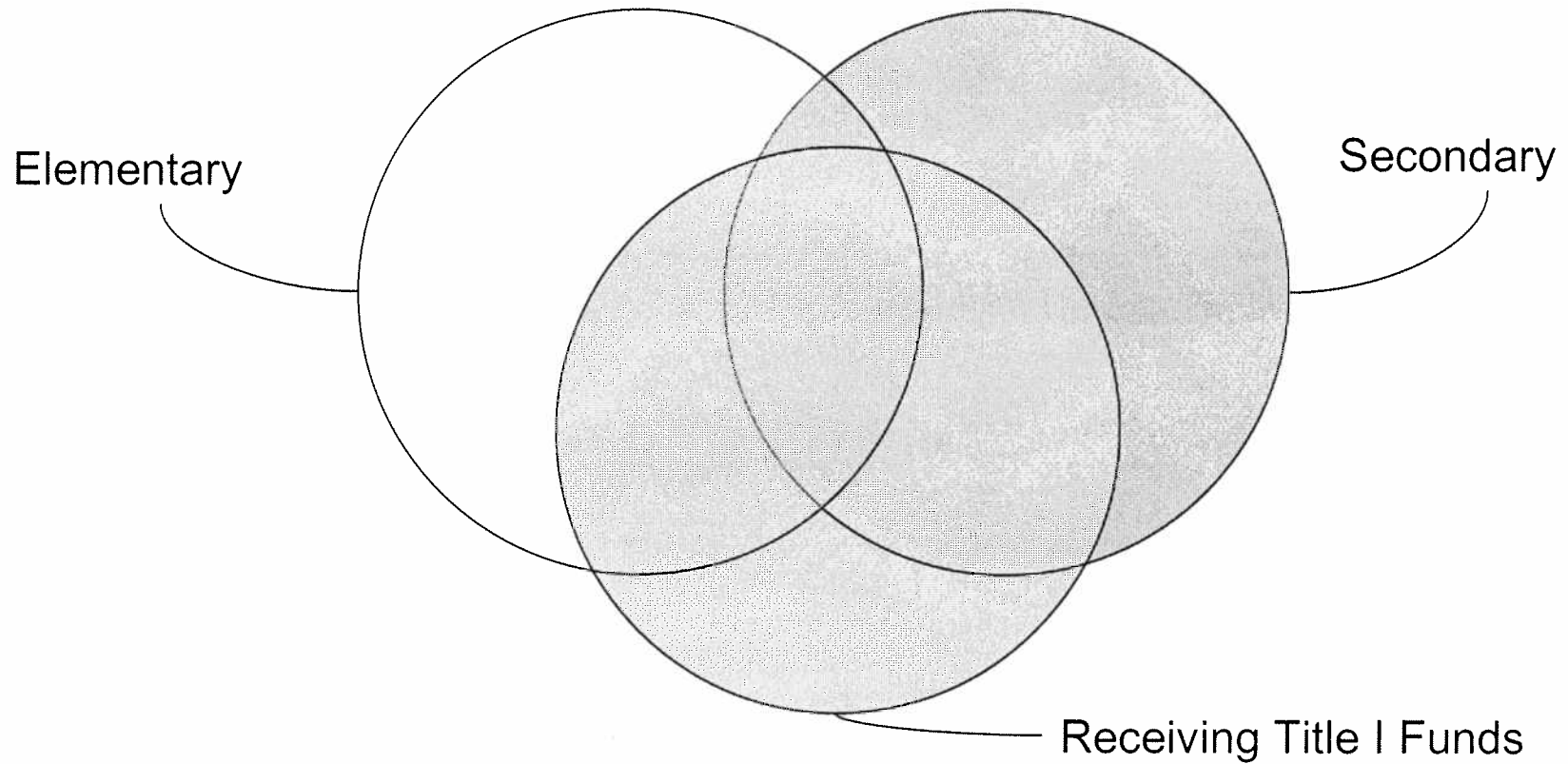
- Two Components
 - Achievement
 - Improvement
- Two Processes
 - MEAP
 - MME



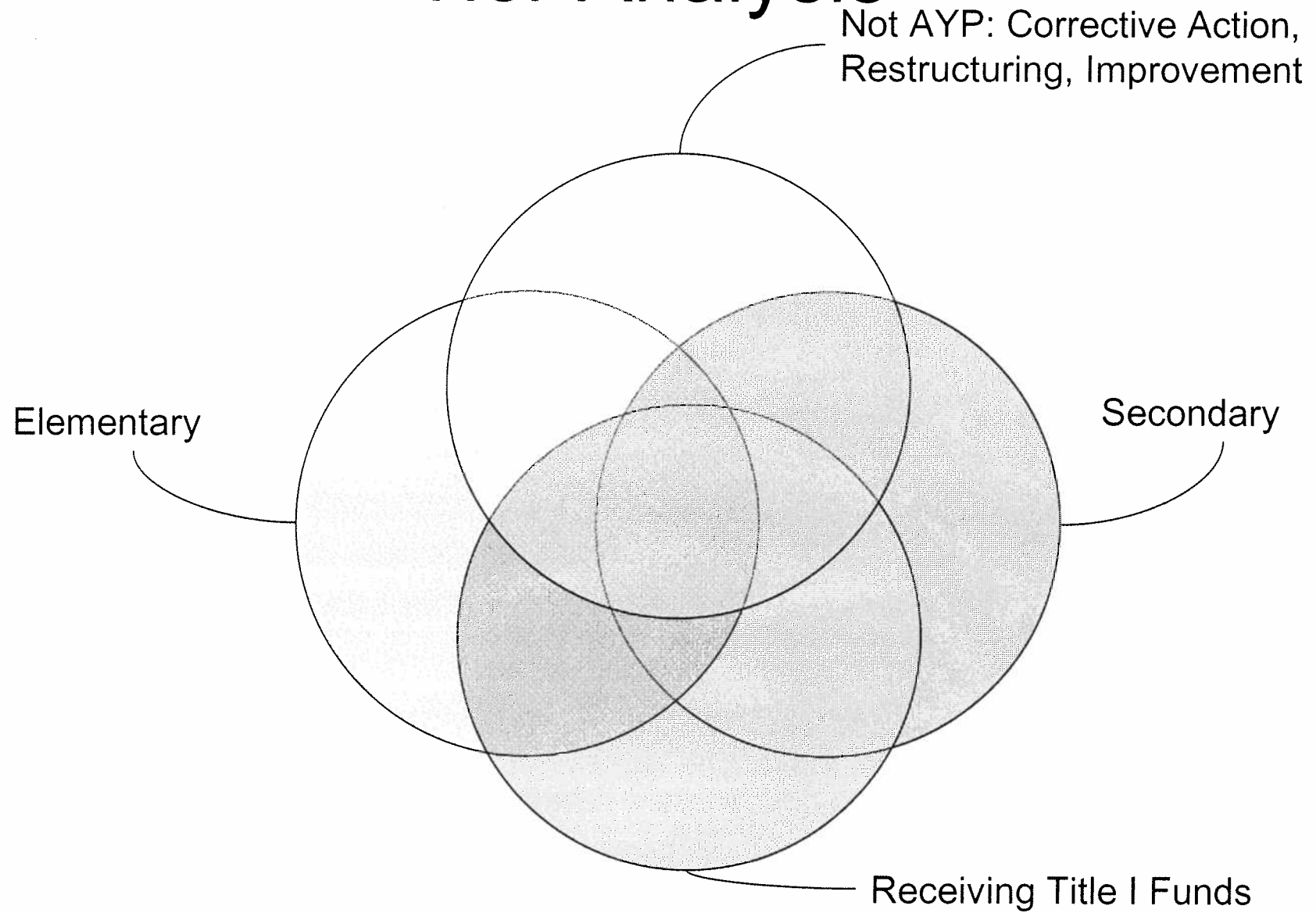
Tier Analysis



Ranking Rules



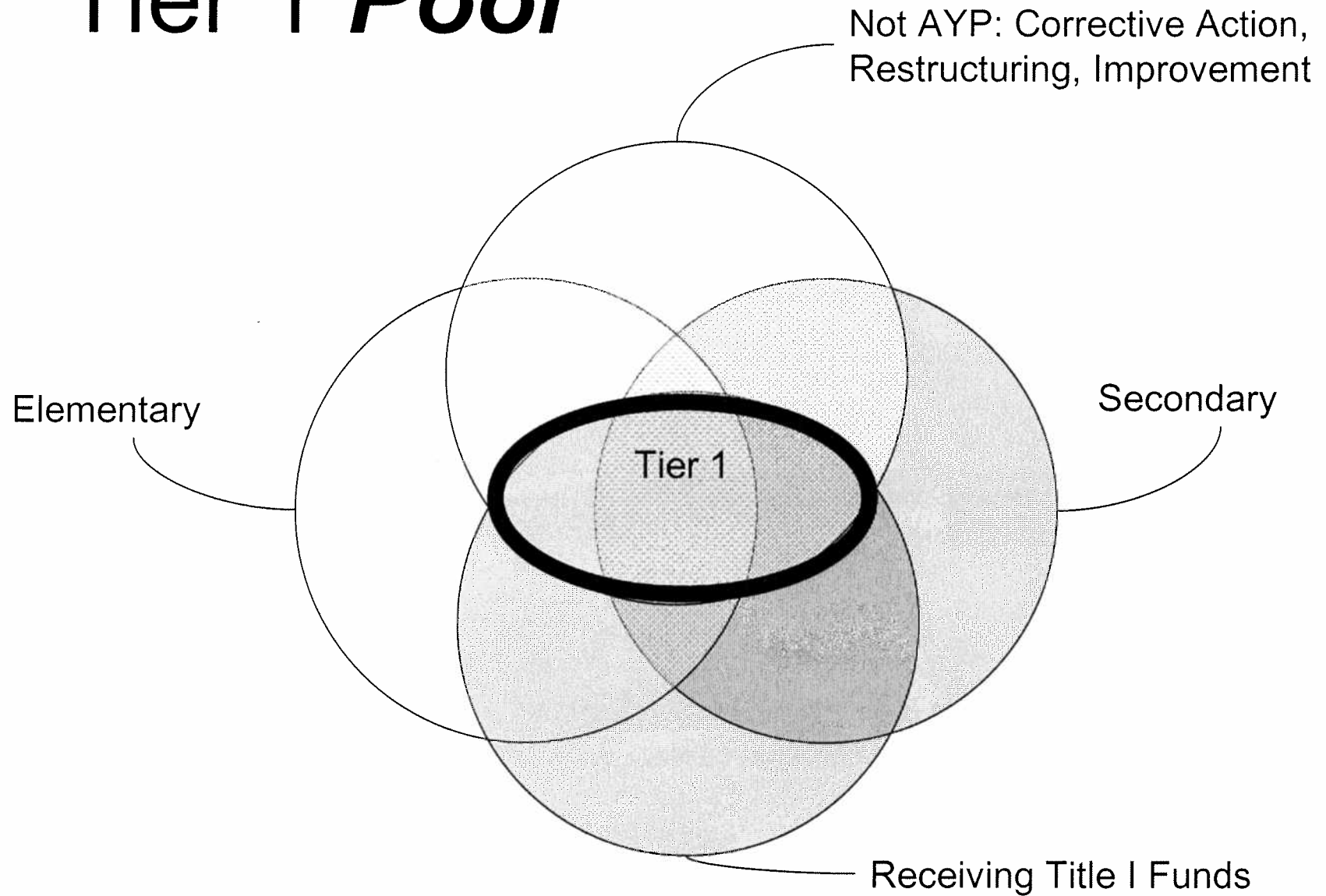
Tier Analysis



Tier 1 *Ranking*

- Tier 1 Schools
 - Receive Title I Funds
 - Identified for Corrective action, restructuring, or improvement
 - Rank on achievement and improvement
 - Select lowest 5%
 - Select schools with four-year graduation rate less than 60%

Tier 1 *Pool*



Tier I ***Pool***

- Defining the ***pool*** of schools from which the Tier I ***list*** is identified
 - The Tier I ***pool*** consists of schools meeting all of the following criteria:
 - At least 30 Full Academic Year students with scores on Mathematics in the most recent two years
 - At least 30 Full Academic Year students with scores on Reading in the most recent two years
 - Eligible to receive Title I funding
 - Receiving Title I funding
 - School is in a phase of School Improvement
 - Identified for Improvement
 - Corrective Action
 - Restructuring
 - **112** total schools are in the Tier I ***pool***

Note: Tier I is independent of EducationYES!

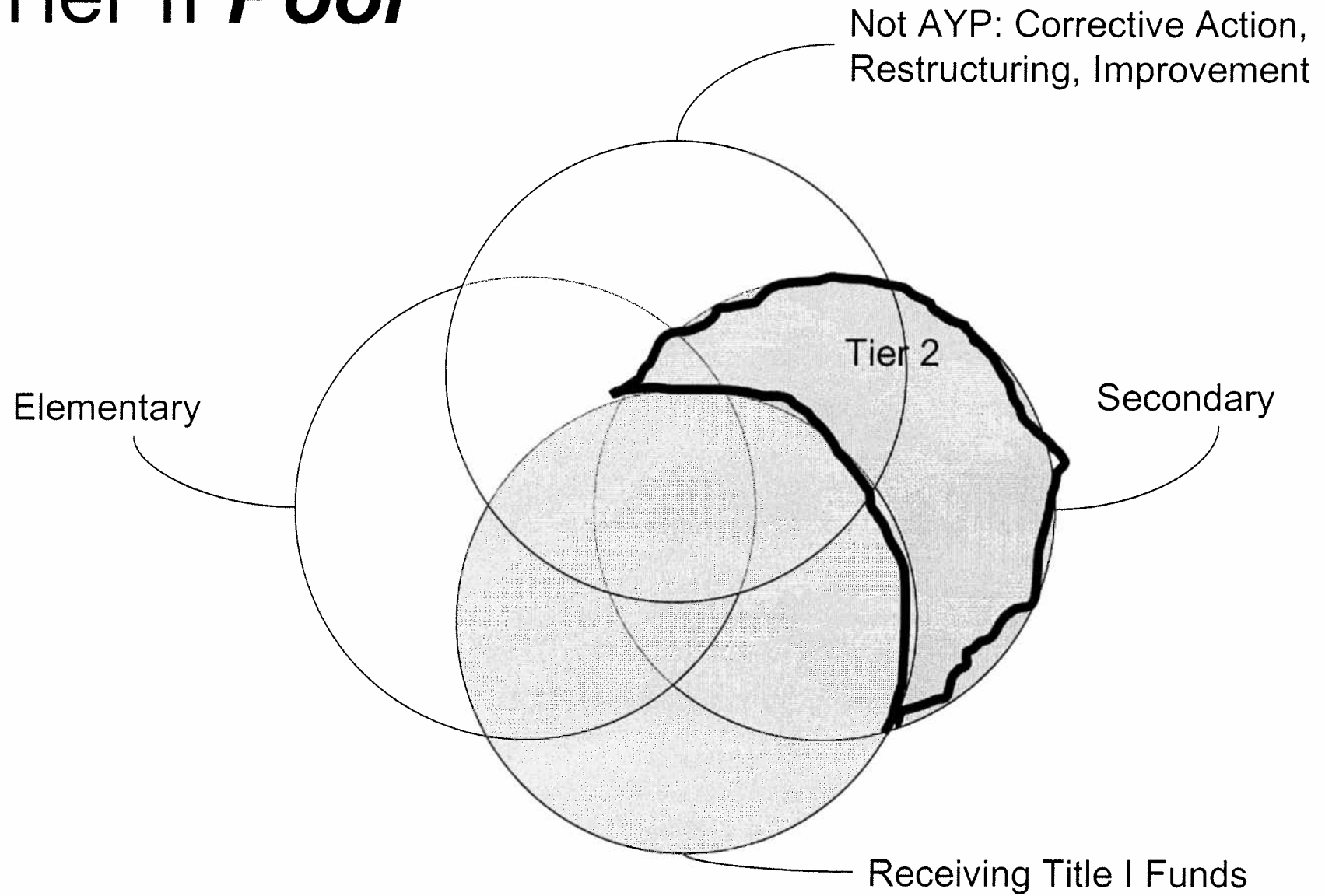
Tier I *List*

- Identifying schools on the Tier I *list*
 - Two paths to get onto the Tier I *list*
 - Path 1—from the Tier I *pool*
 - Calculate percentile ranks (explained later)
 - School is on the Tier I *list* if the school percentile rank is less than 5
 - Path 2—from the Tier I *pool*
 - School is on the Tier I *list* if it is a secondary school with a graduation rate less than 60% for three years running
 - Results
 - **8** total schools on the Tier I *list*
 - 6 from path 1
 - 2 from path 2

Tier 2 *Ranking*

- Tier 2 Schools
 - Title I Eligible
 - Does NOT Receive Title I Funds
 - Secondary School
 - Rank on achievement and improvement
 - Select lowest 5%
 - Select schools with four-year graduation rate less than 60%

Tier II *Pool*



Tier II ***Pool***

- Defining the initial ***pool*** of schools from which the initial Tier II ***list*** is identified
 - The initial Tier II ***pool*** consists of schools meeting all of the following criteria:
 - At least 30 Full Academic Year students with scores on Mathematics in the most recent two years
 - At least 30 Full Academic Year students with scores on Reading in the most recent two years
 - Eligible for, but not receiving Title I funding
 - Is a secondary school (serves at least one grade in the range 7-12)
 - **559** total schools are in the Tier II ***pool***

Note: Tier II is independent of both AYP and EducationYES!

Tier II *List*

- Tier II—Identifying schools on the Tier II *list*
 - Three paths to get onto the Tier II *list*
 - Path 1—from the Tier II *pool*
 - Calculate percentile ranks (explained later)
 - School is on Tier II *list* if school percentile rank is less than 5
 - Path 2—from the Tier II *pool*
 - School is on Tier II *list* if it is a secondary school with a graduation rate less than 60% for three years running
 - Path 3—from the Tier I *pool*
 - School is on Tier II *list* if it ranks lower than or equal to (on a statewide ranking of all schools) the highest ranked school that got onto the Tier II *list* through path 1
 - Results
 - **84** total schools on the Tier II *List*
 - 28 through path 1
 - 0 through path 2
 - 56 through path 3

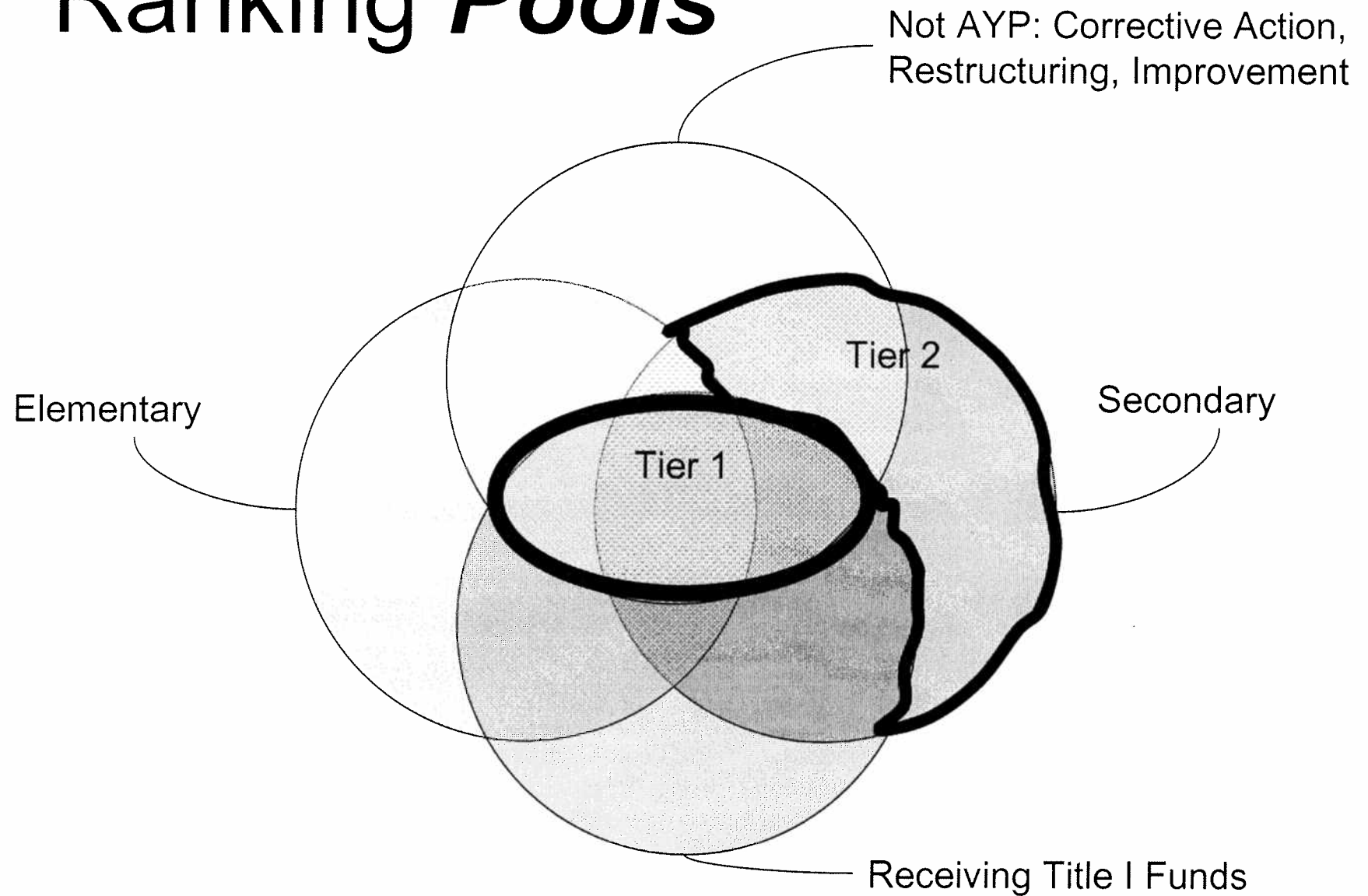
Persistently Lowest Achieving Schools by Tier

- Tier I *List* 8
- Tier II *List* 84

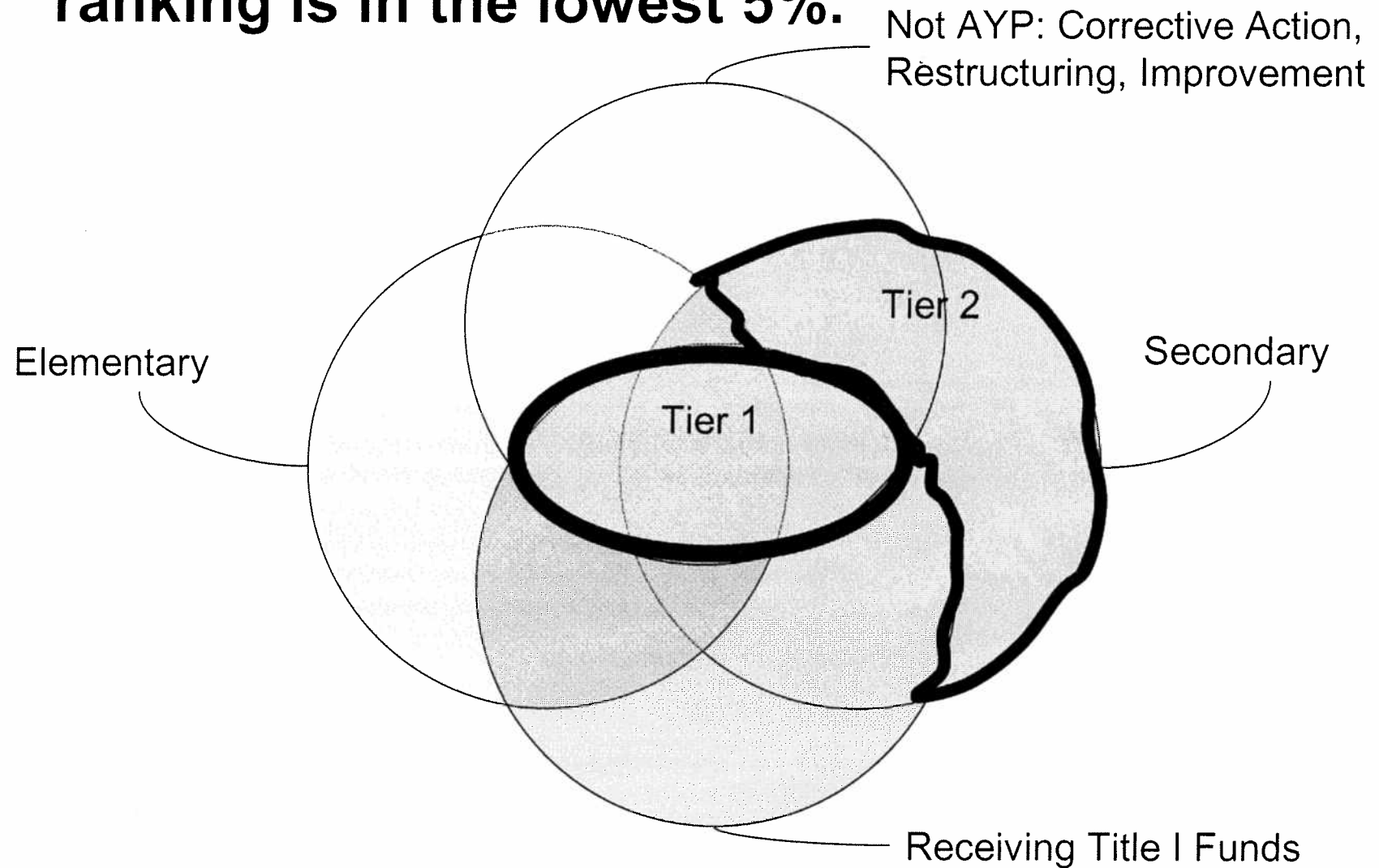
Total	92
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- Schools on the Tier I *list* and Tier II *list* are eligible for federal School Improvement Grant funds.

Ranking *Pools*



Schools NOT in Tier 1 or Tier 2 will NOT appear in PLA list even if their state wide ranking is in the lowest 5%.



How Can a Low Achieving School Not Show Up on the PLA Schools List?

- Based on federally approved requirements, this depends on the school's AYP status, whether the school receives or is eligible to receive Title I funding, and whether the school is a secondary school:

School Title I Funding Category	School AYP Status	
	Not in Corrective Action, Restructuring, or Improvement (Making AYP)	In Corrective Action, Restructuring, or Improvement (Not Making AYP)
Receives Title I funding	<i>Not eligible for any pool</i>	Eligible for the Tier I Pool
Is a secondary school that is eligible for but does not receive Title I funding	Eligible for the Tier II Pool	Eligible for the Tier II Pool
Is not a secondary school, and is eligible for but does not receive Title I funding	<i>Not eligible for any pool</i>	<i>Not eligible for any pool</i>
Is not eligible to receive Title I funding	<i>Not eligible for any pool</i>	<i>Not eligible for any pool</i>

- Some low achieving schools may not be eligible to be considered a PLA School because of the way the pools were defined in federal requirements

Source: MDE

	Tier 1	Tier 2	Not Included
# Elementary			
# Secondary			
# Grade 7/8			
# HS			
Total Included	112	559	2,871
Lowest 5% State Wide Ranking	47	28	102
Grad <60%	2	0	83
<= Tier 2 Rank	56	--	351
Identified	84	28	0

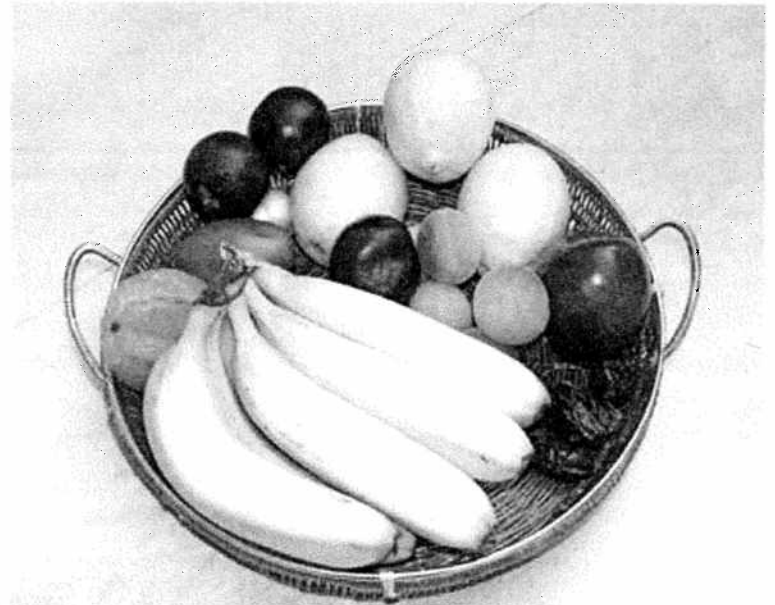
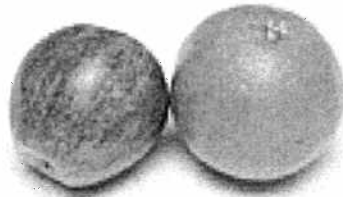
Schools Not Considered for Persistently Low Achievement List

- Elementary schools
 - Not in corrective action, restructuring or improvement (CARI) phases of AYP
 - In CARI but....Not receiving Title I funds
- Secondary (Grades 7 -8)
 - Receiving Title I Funds AND Not in CARI
- Secondary (High Schools)
 - Receiving Title I Funds AND Not in CARI

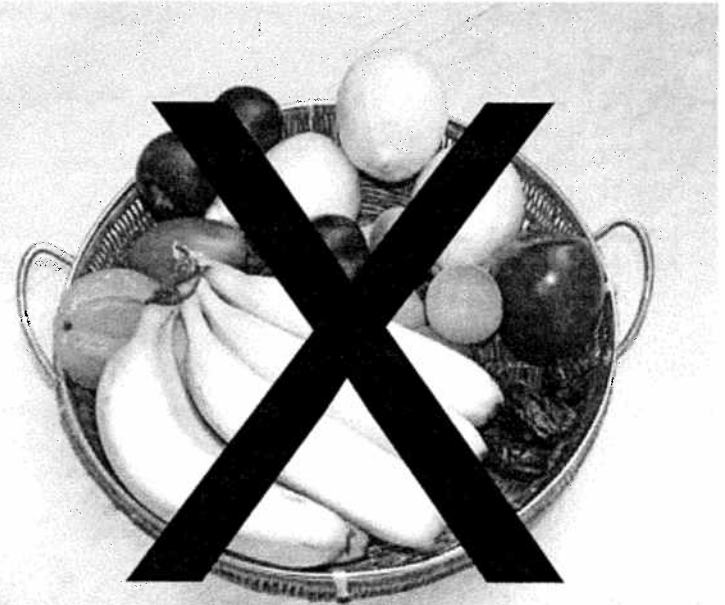
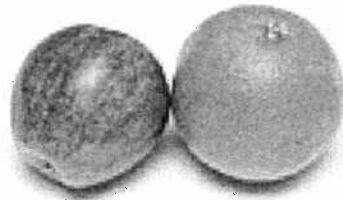
Non-PLA Schools (that should be)

- There are 102* schools with a state wide ranking that is less than 5% but are NOT identified as PLA schools.
- There are 351* schools with a state wide ranking that is less than or equal to the highest ranking of the Tier 2 school identified as a PLA school.

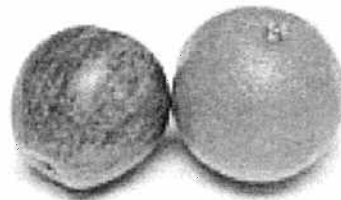
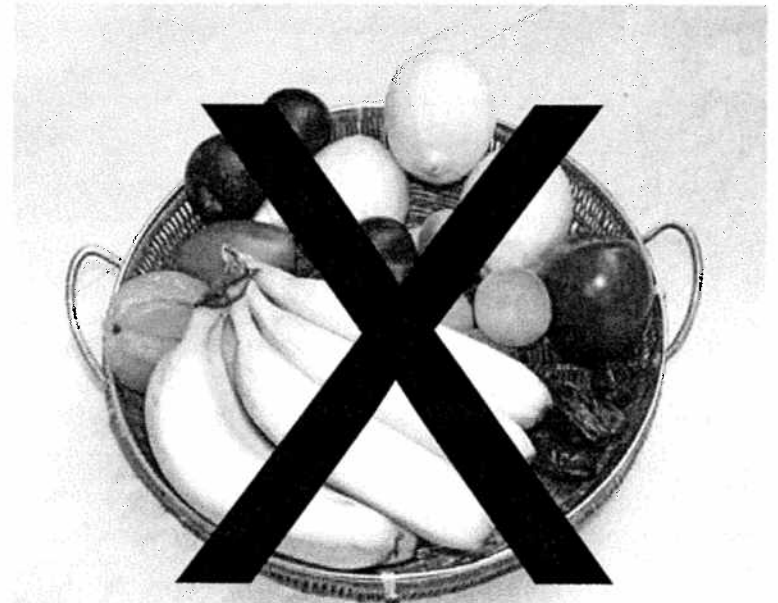
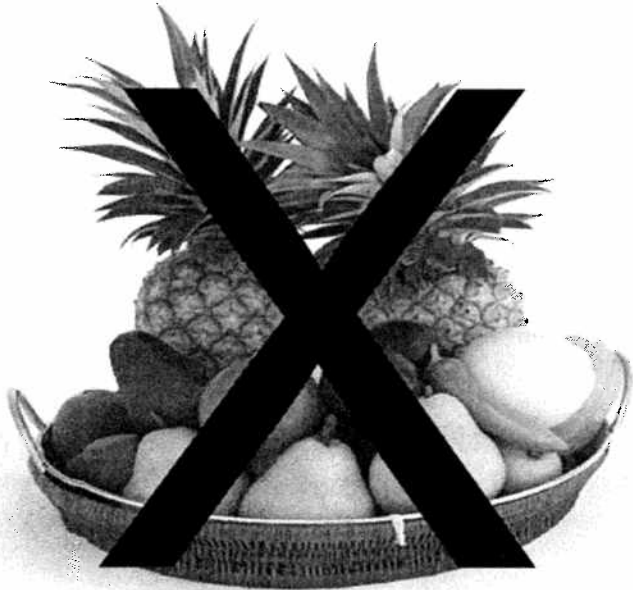
All Schools Should Be Included in PLA Ranking



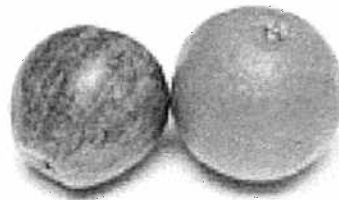
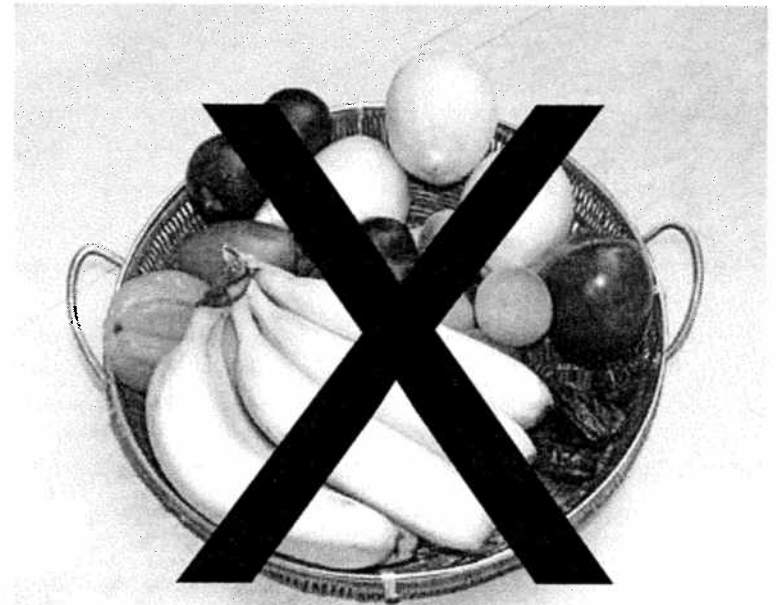
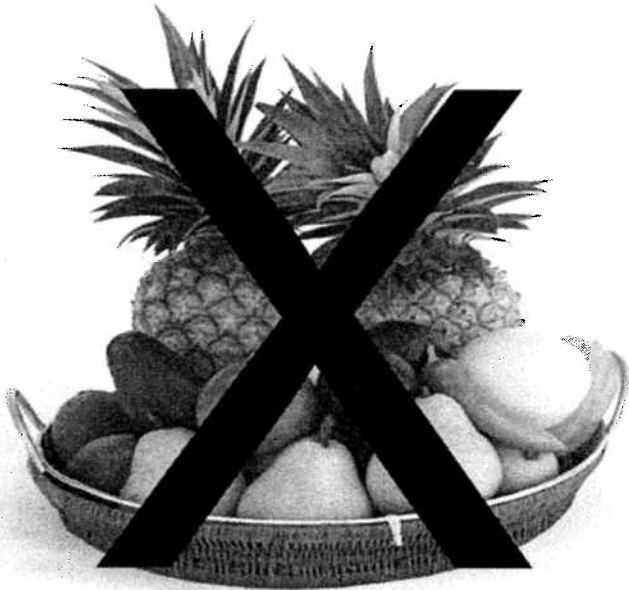
Using “Receiving Title I Funds” as a criteria on whether to include the school in the PLA ranking is like saying any fruit basket with bananas will NOT be weighed.



Using AYP Status as a criteria on whether to include the school in the PLA ranking is like saying any fruit basket with pineapples will NOT be weighed.



All Schools Should Be Included in PLA Ranking



MI-SAAS

Student Proficiency and Improvement (Step 1)

- **INITIAL accreditation status will be determined by developing a Statewide Top to Bottom ranking of all schools with at least 30 full academic year (FAY) students, using a calculation methodology similar to the PLA methodology, but including data from all five subjects (Reading, Mathematics, Writing, Social Studies, Science) – No Tiers will be used for this calculation**
 - Rank the schools statewide:
 - Lowest 5% - unaccredited
 - 6-20% - interim accredited
 - Above 20% will be accredited

MI-SAAS

Persistently Low Achieving List (PLA) (Step 2)

- List generated using only Reading and Mathematics and following the guidelines regarding Tiers; AYP status and school level
- Rank the schools statewide:
 - Lowest 5% - unaccredited
 - Though unlikely there could be a school that is above 20% from Step 1 that could drop to the 5% level
 - More likely is a school in the 6-20% from Step 1 that could drop to the 5% level
 - IF a school goes from Accredited status (from Step 1) to 6-20% in Step 2 the status will remain at Accredited

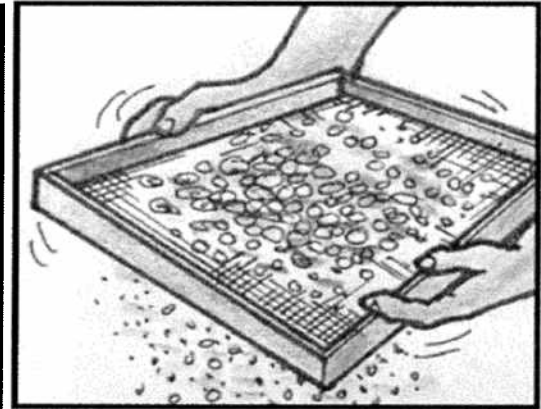
MI-SAAS
Adequate Yearly Progress (AYP)
(Step 3)

- If a school fails to make AYP and initial accreditation status is “Accredited” then the status is lowered to “Interim”. If the initial status is Interim the accreditation status will remain at that level.

Annual State Accreditation Status

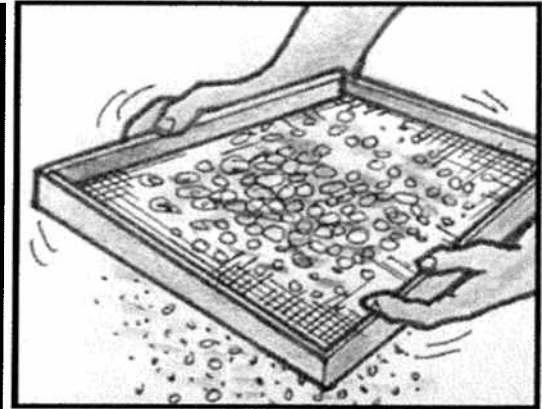
Statewide % Rank	Not on PLA List	Made AYP	Met target on 9 questions	Accreditation Result
High (Rank above 20%)	Y	Y	Y	Accredited
High	Y	N	Y	Interim
High	Y	Y	N	Interim
Mid (Rank - 6-20%)	Y	N	Y	Interim
Mid	Y	Y	Y	Interim
High	N	N	N	Unaccredited
High	N	N	Y	Unaccredited
High	N	Y	N	Unaccredited
High	N	Y	Y	Unaccredited
High	Y	N	N	Unaccredited
Low (Rank lowest 5%)	N	N	N	Unaccredited
Low	N	N	Y	Unaccredited
Low	N	Y	N	Unaccredited
Low	N	Y	Y	Unaccredited
Low	Y	N	N	Unaccredited
Low	Y	N	Y	Unaccredited
Low	Y	N	N	Unaccredited
Low	Y	Y	N	Unaccredited
Low	Y	Y	Y	Unaccredited
Mid	N	N	N	Unaccredited
Mid	N	N	Y	Unaccredited
Mid	N	Y	N	Unaccredited
Mid	N	Y	Y	Unaccredited
Mid	Y	N	N	Unaccredited
Mid	Y	Y	N	Unaccredited

If Mi-SAAS were now
.....the accreditation sieve



- Simulation
 - Use Statewide Top-to-Bottom List (August 2010)
 - Use PLA List (August 2010)
 - Use AYP List (October 2010)

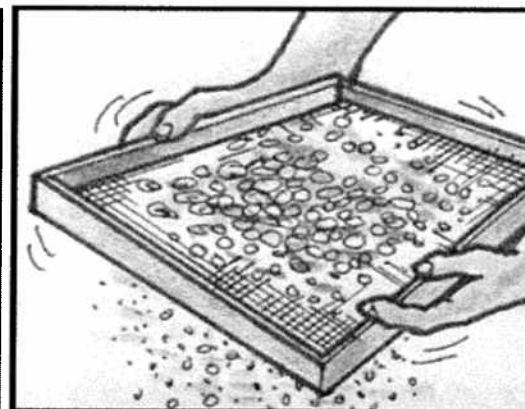
If Mi-SAAS were now
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2010 Accreditation Simulation Using MDE Top-to-Bottom and PLA Rank List with AYP Status

			School Type			Total
			ISD School	LEA School	PSA School	
Accreditation	Unaccredited (5%)	N	8	118	26	152
		%	38.1%	4.4%	12.3%	5.2%
<div> <p>Step 1: 152 schools on bottom 5% list</p> </div>						
Total		N	21	2701	212	2934
		%	100.0%	100.0%	100.0%	100.0%

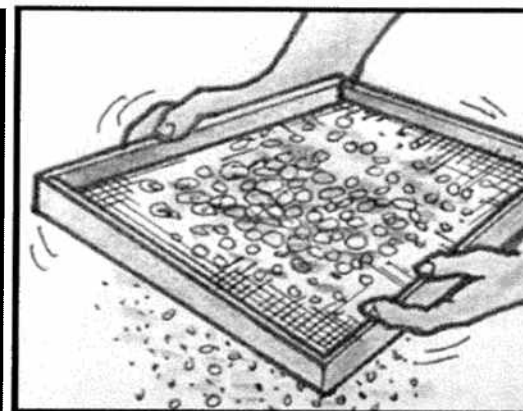
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			ISD School	LEA School	PSA School	
Accreditation	Unaccredited (5%)	N	8	118	26	152
		%	38.1%	4.4%	12.3%	5.2%
	Unaccredited (PLA)	N	0	44	0	44
		%	.0%	1.6%	.0%	1.5%
<div>Step 2: 44 schools added to Unaccredited list due to PLA ranking</div>						
Total			21	2701	212	2934
			100.0%	100.0%	100.0%	100.0%

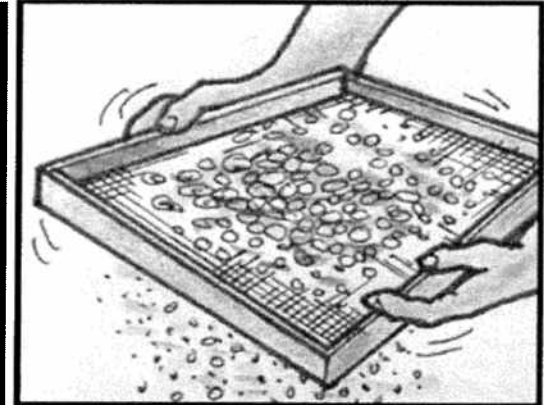
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			ISD School	LEA School	PSA School	
Accreditation	Unaccredited (5%)	N	8	118	26	152
		%	38.1%	4.4%	12.3%	5.2%
	Unaccredited (PLA)	N	0	44	0	44
		%	.0%	1.6%	.0%	1.5%
	Interim (20%)	N	9	329	68	406
		%	42.9%	12.2%	32.1%	13.8%
<div>Step 3: 406 schools interim accredited (i.e. bottom 20% list)</div>						
Total		N	21	2701	212	2934
		%	100.0%	100.0%	100.0%	100.0%

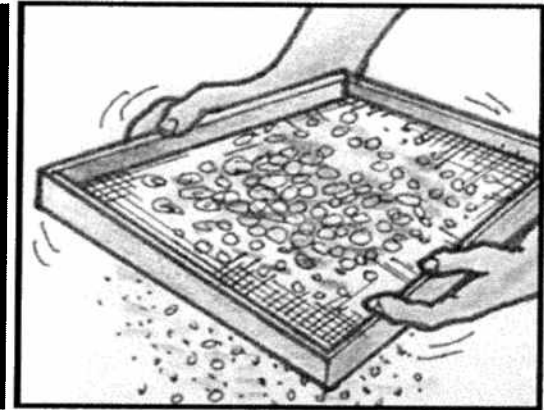
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2010 Accreditation Simulation Using MDE Top-to-Bottom and PLA Rank List with AYP Status

			School Type			Total	
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Accreditation	Unaccredited (5%)	N	8	118	26	152	
		%	38.1%	4.4%	12.3%	5.2%	
	Unaccredited (PLA)	N	0	44	0	44	
		%	.0%	1.6%	.0%	1.5%	
	Interim (20%)	N	9	329	68	406	
		%	42.9%	12.2%	32.1%	13.8%	
	Interim (AYP)	N	2	85	4	91	
		%	9.5%	3.1%	1.9%	3.1%	
	Total	91 schools did not make AYP but were not on the bottom 20% list			212	2934	
				100.0%	100.0%		

If Mi-SAAS were now
.....the accreditation sieve



2010 Accreditation Simulation Using MDE Top-to-Bottom and PLA Rank List with AYP Status

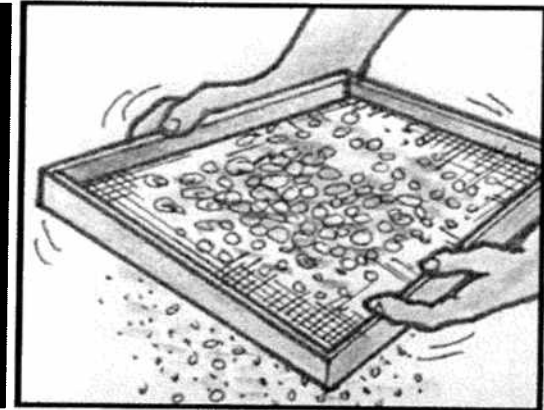
			School Type			Total
			ISD School	LEA School	PSA School	
Accreditation	Unaccredited (5%)	N	8	118	26	152
				1.4%	12.3%	5.2%
			44	0	44	44
			%	.0%	1.5%	1.5%
			29	68	406	406
				32.1%	13.8%	13.8%
			85	4	91	91
		%	9.5%	3.1%	3.1%	3.1%
	Accredited	N	2	2125	114	2241
		%	9.5%	78.7%	53.8%	76.4%
Total		N	21	2701	212	2934
		%	100.0%	100.0%	100.0%	100.0%

Only 3 out of 4 schools in state would be accredited

1 in 5 LEA schools NOT accredited

1/2 of PSA schools NOT accredited

If Mi-SAAS were now
.....the accreditation sieve

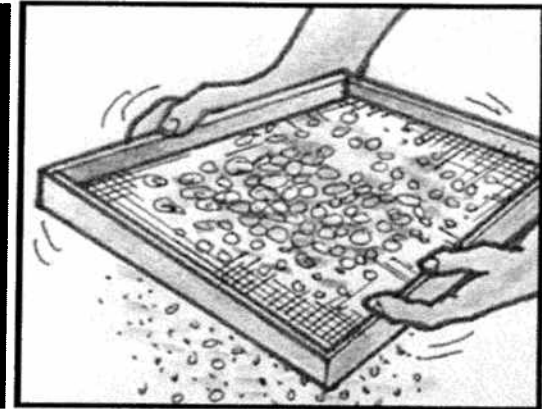


2010 Accreditation Simulation Using MDE Top-to-Bottom and PLA Rank List with AYP Status

			School Type			Total
			ISD School	LEA School	PSA School	
Accreditation	Unaccredited (5%)	N	8	118	26	152
		%	38.1%	4.4%	12.3%	5.2%
	Unaccredited (PLA)	N	0	44	0	44
		%	.0%	1.6%	.0%	1.5%
				68		406
				12.2%	32.1%	13.8%
			85	4		91
		%	9.5%	3.1%	1.9%	3.1%
	Accredited	N	2	2125	114	2241
		%	9.5%	78.7%	53.8%	76.4%
Total		N	21	2701	212	2934
		%	100.0%	100.0%	100.0%	100.0%

693 Schools NOT Accredited (23.6%)

If Mi-SAAS were now
.....the accreditation sieve



2010 Accreditation Simulation Using MDE Top-to-Bottom and PLA Rank List with AYP Status

			School Type			Total
			ISD School	LEA School	PSA School	
Accreditation	Unaccredited (5%)	N	8	118	26	152
		%	38.1%	4.4%	12.3%	5.2%
	Unaccredited (PLA)	N	0	44	0	44
		%	.0%	1.6%	.0%	1.5%
	Interim (20%)	N	9	329	68	406
		%	42.9%	12.2%	32.1%	13.8%
	Interim (AYP)	N	2	85	4	91
		%	9.5%	3.1%	1.9%	3.1%
	Accredited	N	2	2125	114	2241
		%	9.5%	78.7%	53.8%	76.4%
	Total	N	21	2701	212	2934
		%	100.0%	100.0%	100.0%	100.0%

Thank You

Grade Structure Matters

**Include All Schools in Computing
the PLA list**